

10/577,971

1-101. (CANCELED)

102. (CURRENTLY AMENDED) A photovoltaic device, comprising, including ←
a photovoltaic element including a plurality of layers of film; [[, and]] ←
an envelope, ←
at least a portion of the envelope having a curved profile; and ←
wherein the photovoltaic element is comprised of plurality of layers of film ←
and is are formed on the inside surface of the envelope and define a space within the ←
photovoltaic element. ←

103. (PREVIOUSLY PRESENTED) The photovoltaic device in accordance with
claim 102, wherein the envelope forms a dome containing the device.

104. (PREVIOUSLY PRESENTED) The photovoltaic device in accordance with
claim 103, wherein the dome is mounted on a substrate forming a base of the dome.

105. (CURRENTLY AMENDED) The photovoltaic device in accordance with
claim 102, wherein the curved profile of the envelope is in the form of a sphere with a ←
radius less than 30 mm. ←

106. (CURRENTLY AMENDED) The photovoltaic device in accordance with
claim 102, further including an electronic apparatus mounted within the curved profile ←
of the envelope and being electronically connected to the photovoltaic element, the ←
photovoltaic element being arranged to provide electric power to the electronic ←
apparatus.

107. (CURRENTLY AMENDED) The photovoltaic device in accordance with
claim 106, wherein the electronic apparatus includes including a transmitter for ←
transmitting information. ←

108. (PREVIOUSLY PRESENTED) The photovoltaic device in accordance with claim 107 further including an antenna connected to the transmitter, the antenna being formed by a conductive region of the envelope.

109. (PREVIOUSLY PRESENTED) The photovoltaic device in accordance with claim 107, further including an antenna connected to the transmitter, the antenna including a conductive member extending outwardly from the envelope.

110. (PREVIOUSLY PRESENTED) The photovoltaic device in accordance with claim 102, further including an energy storage device.

111. (CURRENTLY AMENDED) The photovoltaic device in accordance with claim 110, wherein the energy storage device is being in the form of at least one [[a]] ← thin layers formed proximate the layers of the photovoltaic element.

112. (PREVIOUSLY PRESENTED) The photovoltaic device in accordance with claim 102, further including a sensor.

113. (CURRENTLY AMENDED) The photovoltaic device in accordance with claim 112, wherein the sensor extending extends outwardly of the envelope and the curved profile of the envelope has a radius of less than 10 mm. ← ←

114. (CURRENTLY AMENDED) The photovoltaic device in accordance with claim 102, wherein the photovoltaic device is in the form of a mote arranged to provide information about an environment. ←

115. (CURRENTLY AMENDED) The photovoltaic device in accordance with claim 114, wherein the photovoltaic device is being enclosed [[in]] by a resilient cover. ←

116. (CURRENTLY AMENDED) The photovoltaic device in accordance with claim 114, having wherein the photovoltaic device has an outer shape which is aerodynamic. ←

117. (CURRENTLY AMENDED) The photovoltaic device in accordance with claim 114, further including means for orienting the photovoltaic device. ←

118. (CURRENTLY AMENDED) The photovoltaic device in accordance with claim 117, wherein the orienting means includes a predetermined center of gravity of the photovoltaic device. ←

119. (CURRENTLY AMENDED) The photovoltaic device in accordance with claim 118, wherein the orienting means includes a projection projecting outwardly of the photovoltaic device. ←

120. (CURRENTLY AMENDED) The photovoltaic device in accordance with claim 117, wherein the orienting means including includes an adhesive portion on an outer surface of the photovoltaic device. ← ←

121. (CURRENTLY AMENDED) The photovoltaic device in accordance with claim[[s]] 102, wherein the device is being mounted on a substrate and is being electrically connected to the substrate. ← ← ←

122. (CURRENTLY AMENDED) The photovoltaic device in accordance with claim 121, including A photovoltaic device, comprising: ← ←

a photovoltaic element including a plurality of layers of film; ←
an envelope and at least a portion of the envelope having a curved profile; ←
the photovoltaic element comprising a plurality of layers of film formed on ←
the inwardly facing surface of the envelope; ← ←

the device being mounted on a substrate and being electrically connected ←
to the substrate; and ←

a channel through the envelope to a conductive layer of the device and a conductor connecting the conductive layer to the substrate. ←

123. (CURRENTLY AMENDED) The photovoltaic device in accordance with claim 122 [[121]] wherein the substrate includes a grid of conductors and the photovoltaic device is electrically connected to the grid. ←

124. (PREVIOUSLY PRESENTED) The photovoltaic device in accordance with claim 121, wherein the substrate includes a depression, and the photovoltaic device is mounted within the depression.

125. (CURRENTLY AMENDED) The photovoltaic device in accordance with claim[[s]] 121, wherein the substrate including reflective means to reflect radiation incident on the substrate towards the photovoltaic device. ←
←

126. (PREVIOUSLY PRESENTED) The photovoltaic device in accordance with claim 102, wherein the photovoltaic element is a thin film photovoltaic element.

127. (PREVIOUSLY PRESENTED) The photovoltaic device in accordance with claim 126, wherein the thin film photovoltaic element is a Dye Solar Cell (DSC) element.

128. (CURRENTLY AMENDED) The photovoltaic device in accordance with claim 127, wherein an internal electrode of the DSC element comprises carbon and a radius of curvature of the curved profile of the envelope is less than 5 mm. ←
←

129. (PREVIOUSLY PRESENTED) The photovoltaic device in accordance with claim 127, wherein the device stores a reservoir of electrolyte to provide an electrolyte supply to an electrolyte layer of the DSC device.

130. (PREVIOUSLY PRESENTED) The photovoltaic device in accordance with claim 102, a resilient material being provided within the device to secure elements of the device and provide mechanical rigidity.

131. (CANCELED)

132. (NEW) A photovoltaic device comprising:

an envelope and at least a portion of the envelope having a curved profile with a radius of less than 50 mm; and

a photovoltaic element including a plurality of layers of film;

wherein the plurality of layers of film are formed on the inwardly facing surface of the envelope and define a space within the photovoltaic element, and one of an electronic block and a conductive pin is accommodated within the space.